

5' CTC GAG CCG CGG CTG TCT GAC TTC CTC CCA GCA CAT TCC TGC ACT CTG CCG TGT 54
 9
 63 CAC TGC CCC ACA GAC 72 81 CTC CAA GCC TGC TGC CAG CTC CCT GCA AGC 108
 117 TCA GGT TGG GCC TTG CCA CGG TGC CAG CAG GCA GCC CTG GGC TGG GGG TAG 162
 126
 171 ACT CCC TAC AGG CAC GCA GCC CTG AGA CCT CAG AGG GCC ACC CCT TGA GGG 216
 180
 225 GGC CCC CAG TGG CCA ACC TGA GTG CTG CCT CTG CCA GCC CTG CTG 270
 234
 279 GGT TCC GCT GGC CCC CCA GAT GCC TGG CTG AGA CAC GCC AGT GGC CTC 324
 288
 333 TGC CCA CAC CTC TTC CCG GCC CCT GAA GTT GGC ACT GCA GCA GAC AGC TCC 378
 342
 387 ACC AGG CAG CTA ACA GAC ACA GGC GCC AGC CCA AAC AGC AGC GGC ATG 432
 396
 405
 414
 423
 432
 M

FIGURE 1A

441 GGC AGC AGC CCG GGT CTG AGC AGC GTA TCC CCC AGC CAC CTC CTG CTG CCC 486
 G S A S P G L S S V S P S H L L L P 477

 495 CCC GAC ACG GTG TCG CGG ACA GGC TTG GAG AAG GCG GCA GCG GGG GCA GTG GGT 540
 P D T V S R T G L E K A A G A V G 531

 549 CTC GAG AGA CGG GAC TGG AGT CCC AGT CCA CCC AGC CCC GAG CAG GGC CTG 594
 L E R R D W S P S P A T P E Q G L 585

 603 TCC GCC TTC TAC CTC TCC TAC TTT GAC ATG CTG TAC CCT GAG GAC AGC AGC TGG 648
 S A F Y L S Y F D M L Y P E D S S W 639

 657 GCA GCC AAG GCC CCT GGG GCC AGC AGT CGG GAG GAG CCA CCT GAG GAG CCT GAG 702
 A A K A P G A S S R E E P P E P E 693

 711 CAG TGC CCG GTC ATT GAC AGC CAA GCC CCA GCG GGC AGC CTG GAC TTG GTG CCC 756
 Q C P V I D S Q A P A G S L D L V P 747

 765 GGC GGG CTG ACC TTG GAG GAG CAC TCG CTG GAG CAG GTG TCC ATG GTG GTG 810
 G G L T L E E H S L E Q V Q S M V V 801

FIGURE 1B

819 GGC GAA GTG CTC AAG GAC ATC GAG AGC GCC TGC AAG CTG CTC AAC ATC ACC GCA 864
 G E V L K D I E T A C K L L N I T A 855
 873 GAT CCC ATG GAC TGG AGC CCC AGC AAT GTG CAG AAG TGG CTC CTG TGG ACA GAG 918
 D P M D W S P S N V Q K W L L W T E 909
 927 CAC CAA TAC CGG CTG CCC CTG GGC AAG GCC TTC CAG GAG CTG GCG GGC AAG 972
 H Q Y R L P P M G K A F Q E L A G K 963
 981 GAG CTG TGC GCC ATG TCG GAG GAG CAG TTC CGC CAG CGC TCG CCC CTG GGT GGG 1026
 E L C A M S E E Q F R Q R S P L G G 1017
 1035 GAT GTG CTG CAC GCC CAC CTG GAC ATC TGG AAG TCA CCG GCC TGG ATG AAA GAG 1080
 D V L H A H L D I W K S A A W M K E 1071
 1089 CGG ACT TCA CCT GGG GCG ATT CAC TAC TGT GCC TCG ACC AGT GAG GAG AGC TGG 1134
 R T S P G A I H Y C A S T S E E S W 1125
 1143 ACC GAC AGC GAG GTG GAC TCA TCA TGC TCC GGG CAG CCC ATC CAC CTG TGG CAG 1188
 T D S E V D S S C S G Q P I H L W Q 1170
 1161 1179

FIGURE 1C

1197 TTC CTC AAG GAG TTG CTA CTC AAG CCC CAC AGC TAT GGC CGC TTC ATT AGG TGG 1242
 F L K E L L L K P H S Y G R F I R W
 1206
 1251 CTC AAC AAG GAG AAG GGC ATC TTC AAA ATT GAG GAC TCA GCC CAG GTG GCC CGG 1296
 L N K E K G I F K I E D S A Q V A R
 1260
 1305 CTG TGG GGC ATC CGC AAG AAC CGT CCC GCC ATG AAC TAC GAC AAG CTG AGC CGC 1350
 L W G I R K N R P A M N Y D K L S R
 1314
 1359 TCC ATC CGC CAG TAT TAC AAG AAG GGC ATC ATC CGG AAG CCA GAC ATC TCC CAG 1404
 S I R Q Y Y K K G I I R K P D I S Q
 1368
 1413 CGC CTC GTC TAC CAG TTC GTG CAC CCC ATC TGA GTG CCT GGC CCA GGG CCT GAA 1458
 R L V Y Q F V H P I
 1422
 1476 ACC CGC CCT CAG GGC CCT CTC TCC TGC CTG CCC TGC CTC AGC CAG GCC CTG AGA 1512
 1485
 1521 TGG GGG AAA ACG GGC AGT CTG CTC TGC TGC TCT GAC CTT CCA GAG CCC AAG GTC 1566
 1530
 1539
 1548
 1557

FIGURE 1D

1575	1584	1593	1602	1611	1620
AGG GAG GGG CAA CCA ACT GCC CCA GGG GGA TAT GGG TCC TCT GGG GCC TTC GGG					
1629	1638	1647	1656	1665	1674
ACC CTG GGG CAG GGG TGC TTC CTC CTC AGG CCC AGC TGC TCC CCT GGA GGA CAG					
1683	1692	1701	1710	1719	1728
AGG GAG ACA GGG CTG CTC CCC AAC ACC TGC CTC TGA CCC CAG CAT TTC CAG AGC					
1737	1746	1755	1764	1773	1782
AGA GCC TAC AGA AGG GCA GTG ACT CGA CAA AGG CCA CAG GCA GTC CAG GCC TCT					
1791	1800	1809	1818	1827	1836
CTC TGC TCC ATC CCC CTG CCT CCC ATT CTG CAC CAC ACC TGG CAT GGT GCA GGG					
1845	1854	1863	1872	1881	1890
AGA CAT CTG CAC CCC TGA GTT GGG CAG CCA GGA GTG CCC CCG GGA ATG GAT AAT					
1899					
AAA GAT ACT AGG CGC 3'					

FIGURE 1E

249	I H L W Q F L K E L L	L K P H S Y G R F I R W L	N K E K G I	1813005
26	I H L W Q F L K E L L	A S P Q V N G T A I R W I	D R S K G I	GI 157196
339	R L L W D Y V Y Q L L	S D S R - Y E N F I R W E	D K E S K I	GI 511283
279	F K I E D S A Q V A R L W G	I R K N R P A M N Y D K L S R S		1813005
56	F K I E D S V R V A K L W G	R R K N R P A M N Y D K L S R S		GI 157196
368	F R I V D P N G L A R L W G	N H K N R T N M T Y E K M S R A		GI 511283
309	I R Q Y Y K K G I I R K P D I	S Q R L V Y Q F V		1813005
86	I R Q Y Y K K G I M K K T E	R S Q R L V Y Q F C		GI 157196
398	L R H Y Y K L N I I R K - E	P G Q R L L F R F M		GI 511283

FIGURE 2